

# Time calculation

- Time can be written in a 12 hour notation or a 24 hour notation
- 12 hour notation uses am and pm while 24 hour clock uses 4 digit numbers .Note that 00 00 stands for 12 midnight while 12 noon is written as 12 00.

## Solved Board paper questions:

- 3 At 05 06 Mr Ho bought 850 fish at a fish market for \$2.62 each.  
95 minutes later he sold them all to a supermarket for \$2.86 each.

0580/21/M/J/09

- (a) What was the time when he sold the fish?

Answer(a) ..... [1]

- 9 A cyclist left Melbourne on Wednesday 21 May at 0945 to travel to Sydney.  
The journey took 97 hours.

0580/21/M/J/10

Write down the day, date and time that the cyclist arrived in Sydney.

Answer Day ..... Date ..... Time ..... [3]

10 The table shows the opening and closing times of a café.

	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Opening time	0600	0600	0600	0600	0600	(a)	0800
Closing time	2200	2200	2200	2200	2200	2200	1300

(a) The café is open for a total of 100 hours each week.  
Work out the opening time on Saturday.

0580/22/M/J/11

Answer(a) ..... [2]

(b) The owner decides to close the café at a later time on Sunday. This increases the total number of hours the café is open by 4%.  
Work out the new closing time on Sunday.

Answer(b) ..... [3]

45

1 The ferry from Helsinki to Travemunde leaves Helsinki at 1730 on a Tuesday.  
The journey takes 28 hours 45 minutes.

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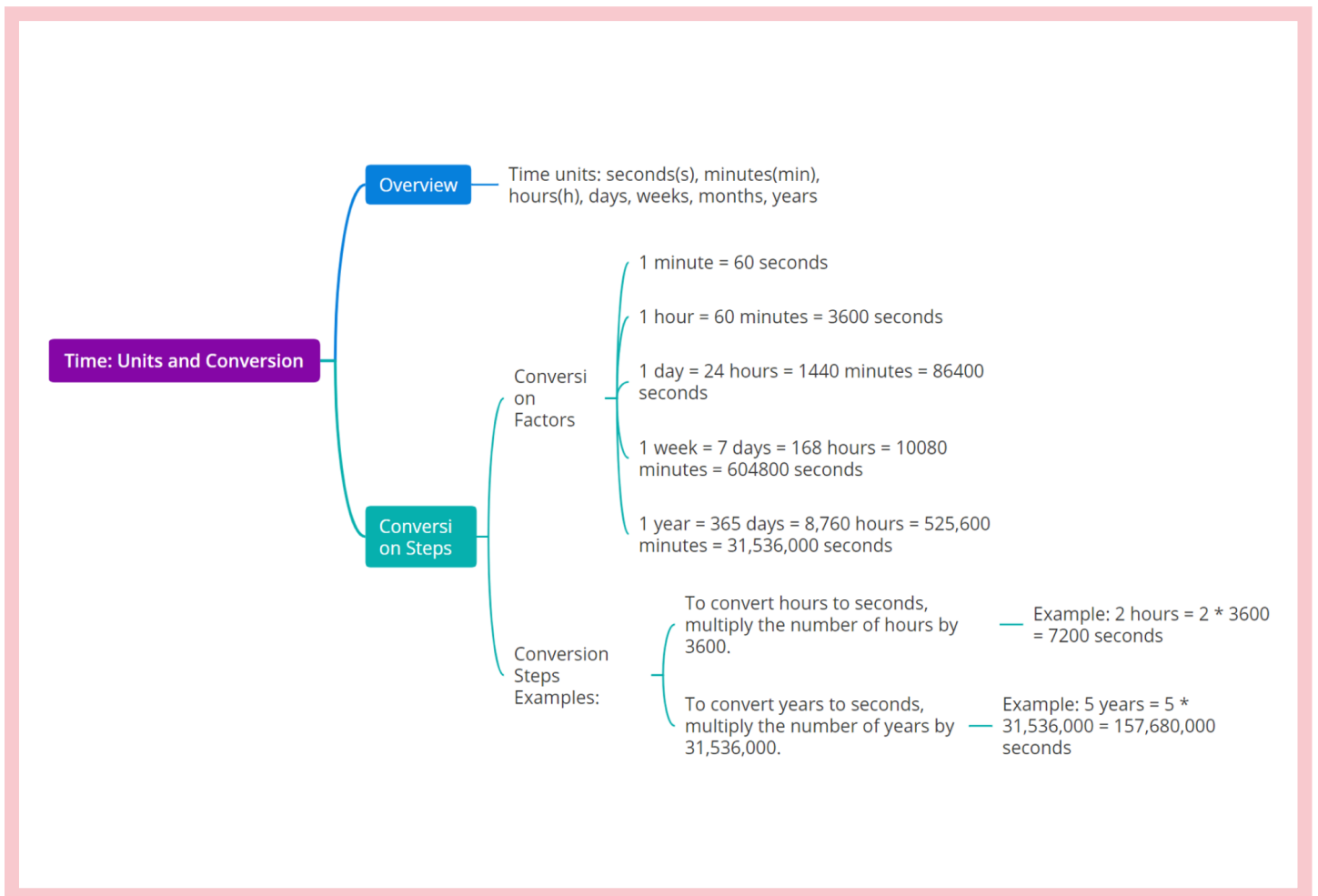
Work out the day and time that the ferry arrives in Travemunde.

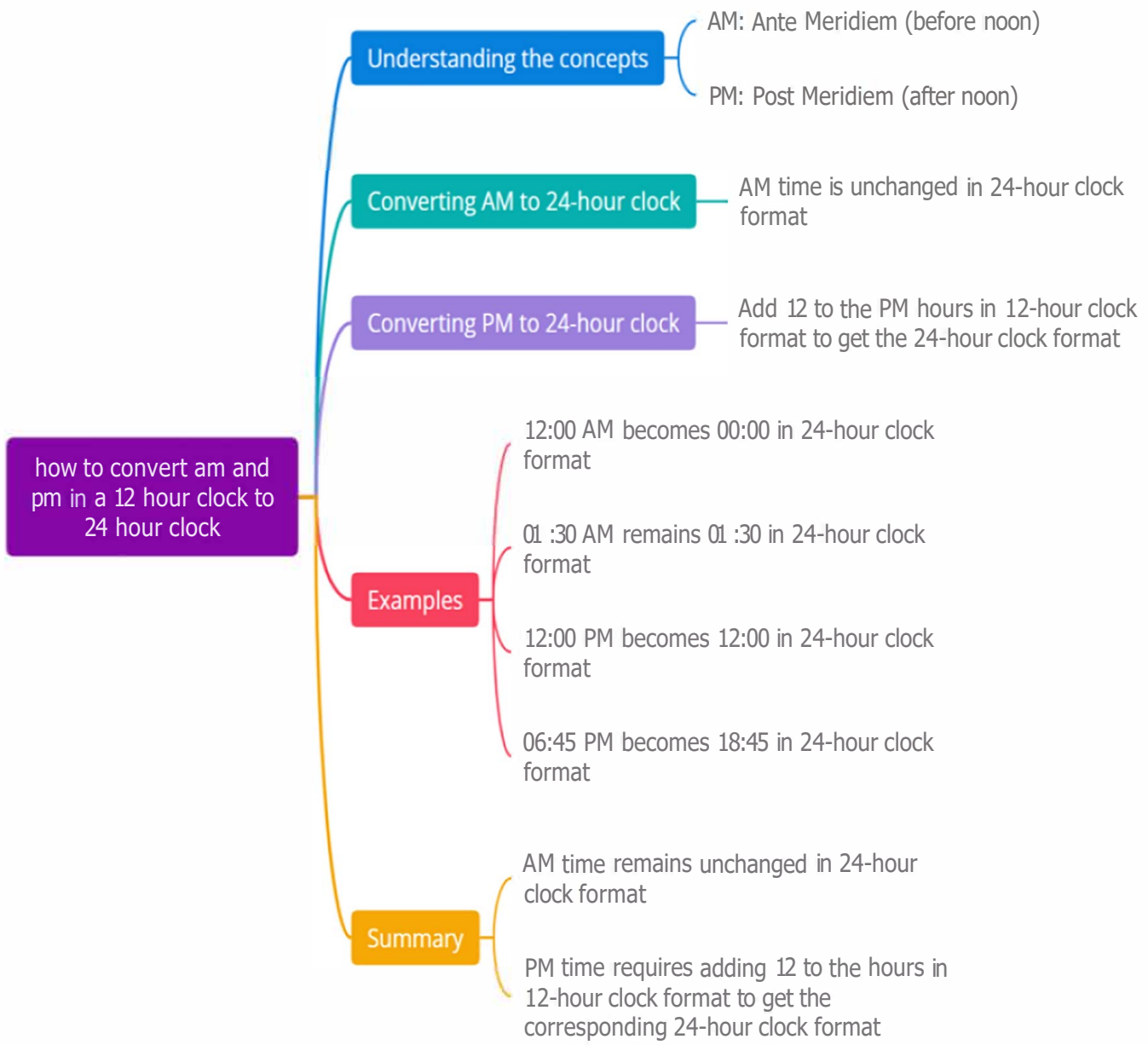
Answer Day ..... Time ..... [2]

- 3 The time in Lisbon is the same as the time in Funchal.  
 A plane left Lisbon at 08 30 and arrived in Funchal at 10 20.  
 It then left Funchal at 12 55 and returned to Lisbon.  
 The return journey took 15 minutes more.  
 What time did the plane arrive in Lisbon?

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Answer ..... 56 [2]





## 24 hour clock.

### Definition

A 24-hour clock is a system of measuring time in which the day is divided into 24 hours, starting from midnight (00:00) and ending at 23:59.

Also known as military time or the international standard time.

### Parts of a 24 Hour Clock

Hours (00-23}

Minutes (00-59)

Seconds (00-59)

### Examples

In the 24-hour clock, for example, 3.15 a.m. will be denoted by 03 15 and 3.15 p.m. by 15 15.

### Conversion from 12 Hour Clock

To convert from a 12-hour clock to a 24-hour clock, add 12 to the hours if it is PM.

Example: 03:30 PM (12-hour clock) can be converted to 15:30 (24-hour clock).